

TEXAS DEPARTMENT OF INSURANCE

Engineering Services Program / MC 103-3A 333 Guadalupe Street P.O. Box 149104 Austin, Texas 78714-9104
Phone No. (512) 322-2212 Fax No. (512) 463-6693

PRODUCT EVALUATION

WIN-1695

Effective Date: December 1, 2012

Reevaluation Date: **January 2013**

*The following product has been evaluated for compliance with the wind loads specified in the **International Residential Code (IRC)** and the **International Building Code (IBC)**.*

This product evaluation is not an endorsement of this product or a recommendation that this product be used. The Texas Department of Insurance has not authorized the use of any information contained in the product evaluation for advertising, or other commercial or promotional purpose.

This product evaluation is intended for use by those individuals who are following the design wind load criteria in Chapter 3 of the IRC and Section 1609 of the IBC. The design loads determined for the building or structure shall not exceed the design load rating specified for the products shown in the limitations section of this product evaluation. This product evaluation does not relieve a Texas licensed engineer of his responsibilities as outlined in the Texas Insurance Code, the Texas Administrative Code, and the Texas Engineering Practice Act.

FeelSafe Clad Energy Saver Wood Awning Windows, Individual and Mulled, Impact Resistant,
manufactured by

Hurd Windows and Doors
575 South Whelen Avenue
Medford, Wisconsin 54451
Telephone: (715) 748-2011

General Description:

System	Description	Label Rating	Design Pressure Rating (psf)
1	FeelSafe Clad Energy Saver Wood Awning Window; X	CW-PG65 48 x 36 AP-C65 48 x 36 Missile Level D	+65/-70
2	FeelSafe Clad Energy Saver Wood Awning Window; X.X	CW-PG65 96 x 36 AP-C65 96 x 36 Missile Level D	+65/-70

Product Dimensions:

System	Overall Size	Sash Size
1	48 $\frac{1}{4}$ " x 36 $\frac{1}{4}$ "	46 $\frac{5}{8}$ " x 34 $\frac{5}{8}$ "
2	48 $\frac{1}{4}$ " x 36 $\frac{1}{4}$ "	Two: 46 $\frac{5}{8}$ " x 34 $\frac{5}{8}$ "

Product Identification (Certification Label on Window):

System		
1-2	Certification Agency	WDMA
	Manufacturer's Name or Code Name	Hurd Windows and Doors
	Product Name	FeelSafe Clad Energy Saver Awning
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-05; AAMA/WDMA/CSA 101/I.S.2/A440-08; ASTM E 1886-02/ASTM E 1996-02; Missile Level D

Impact Resistance:

Impact Resistant	Requirement
Yes	These products satisfy the Texas Department of Insurance's criteria for protection from windborne debris in the Inland I and Seaward zone . The assemblies may be installed at any height on the structure as long as the design pressure rating for the assemblies is not exceeded.

Installation:

System 1 (Nail Flange Installation): The wood wall framing members shall be minimum Southern Yellow Pine dimension lumber. The window shall be secured to the wood wall framing using the applied aluminum nail flange (fin) of the window. Along the head, sill, and side jambs, the fasteners shall be minimum 11 gauge, 2" long, smooth shank roofing nails. The fasteners shall be spaced approximately 4 inches from each corner and approximately 4 inches on center. The fasteners shall be long enough to penetrate a minimum of 1 ½ inches into the wall framing.

System 2 (Nail Flange Installation): The wood wall framing members shall be minimum Southern Yellow Pine dimension lumber. The window shall be secured to the wood wall framing using the integral vinyl nail flange (fin) of the window. Along the head, sill, and side jambs, the fasteners shall be minimum No. 8 screws. The fasteners shall be spaced approximately 2 inches from each corner and approximately 8 inches on center. Along the head and sill, two (2) No. 10 x 3" screws are required through the frame approximately 3 inches and 6 inches on either side of the mull. The fasteners shall be long enough to penetrate a minimum of 1 ½ inches into the wall framing.

System 2 (Frame Installation): The wood wall framing members shall be minimum Southern Yellow Pine dimension lumber. The window shall be secured to the wood wall framing using the integral vinyl nail flange (fin) of the window. Along the head, sill, and side jambs, the fasteners shall be minimum No. 10 x 3" screws. The fasteners shall be spaced approximately 6 inches from each corner and approximately 15 to 18 inches on center. Along the head and sill, two (2) No. 10 x 3" screws are required through the frame approximately 3 inches and 6 inches on either side of the mull. The fasteners shall be long enough to penetrate a minimum of 1 ½ inches into the wall framing.

Note: The manufacturer's installation instructions shall be available on the job site during installation. All fasteners shall be corrosion resistant as specified in the International Residential Code (IRC), the International Building Code (IBC), and the Texas Revisions.